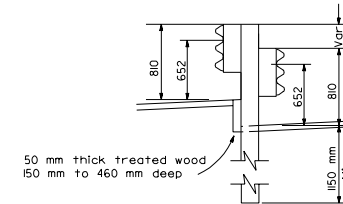
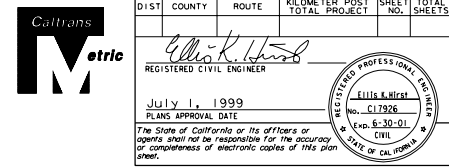


**RAIL ELEMENT SPICE DETAIL**

Connect the overlapped ends of the thrie beam rail elements with 16 mm  $\phi$  x 35 mm button head oval shoulder bolts inserted into the 23 mm x 29 mm slots and bolted together with 16 mm  $\phi$  x 35 mm recessed hex nuts. A total of 12 bolts and nuts are to be used at each rail splice connection, the ends of the rail elements are to be overlapped in the direction of traffic (see details). Where a terminal section is to be attached to the end of a rail elements, a total of 4 of the above described splice bolts and nuts are to be used. Where a return section is to be attached to the end of rail elements, a total of 8 of the above described splice bolts and nuts are to be used.



### DOUBLE THRIE BEAM BARRIER SAW TOOTH INSTALLATION

(Steel post and wood blocks only)  
See Note 10

#### NOTES

- For details of the cross section of the thrie beam rail element and details for wood post with wood block installations, see Standard Plan A78A.
- For details of standard hardware, posts, and blocks used to construct thrie beam barrier, see Standard Plan A78C.
- Thrie beam barrier post spacing to be 1905 mm center to center, except as otherwise noted.
- Top of barrier rail to be 80 mm above ground line or shoulder surfacing under the rail element.
- For barrier end treatments and barrier connections, see Standard Plans A78E, A78EA, A78F and A78G.
- For connection to Concrete Barrier (Type 60), see Standard Plan A78I.
- Attach rail element to wood block and steel post with 2 bolts on approaching traffic side of block and post web.
- Where standard embedment of barrier post is restricted by underground concrete facilities such as footing of walls, columns, etc., use post footing details on Standard Plan A77F.
- For details of thrie beam barrier on bridge and thrie beam barrier at fixed object, see Standard Plan A78D.
- Saw tooth installation to be used where offset roadway grades are encountered and height of rail element for each roadway cannot be obtained as shown in Section A-A.
- Direction of traffic indicated by  $\rightarrow$
- Notched face of wood block faces steel post.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

### THRIE BEAM BARRIER TYPICAL STEEL POST WITH WOOD BLOCK

NO SCALE

ALL DIMENSIONS ARE IN  
MILLIMETERS UNLESS OTHERWISE SHOWN

**A78B**